

School of Electrical and Communication Sciences

Department of Electrical and Electronics Engineering

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
1.	Dr. S. Jennathu Beevi Associate Professor	jennathu.beevi@crescent.education	EE/23/13	<ul style="list-style-type: none"> • Power System Engineering • Control systems and design of controllers • Electrical Machine design • Solar Energy Technology • Soft computing & Optimization Algorithm 	5	https://crescent.education/dr-s-jennathu-beevi-eee/
2.	Dr. R. Jayashree Professor	jayashree@crescent.education	EE/09/04	<ul style="list-style-type: none"> • Deregulated power system • Micro grid • Load frequency control • Reactive power support • ATC and congestion management 	5	https://crescent.education/dr-r-jayashree-eee/
3.	Dr. Y. Mohamed Shuaib Professor	mdshuaib@crescent.education	EE/16/07	<ul style="list-style-type: none"> • Power System Control • Power Quality • Power Electronics • AI application to power system • Microgrid/Smart grid 	6	https://crescent.education/dr-y-mohamed-shuaib-eee/

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4.	Dr. R. Zahira Associate Professor	zahira@crescent.education	EE/20/08	<ul style="list-style-type: none"> • Power quality improvement in Power System • Microgrids and Renewable Energy Systems • Power Converters for Electric vehicles (V2G and G2V) • IoT for electrical Engineering • BMS for EV 	5	https://crescent.education/dr-r-zahira-eee/
5.	Dr. Belwin J. Brearley Asst. Prof. (Sel.Gr.)	belwin@crescent.education	EE/23/12	<ul style="list-style-type: none"> • Electric Vehicle • Cyber Security/Cyber resilience in Power System network • Machine learning algorithms for Power electronics/ Power system • Smart Grid/Microgrid • Power Electronic application to Power system 	2	https://crescent.education/dr-belwin-j-brearley-eee/
6.	Dr. K. Sarmila Har Beagam Asst. Prof. (Sel. Gr.)	ksarmila@crescent.education	EE/23/15	<ul style="list-style-type: none"> • Deregulated Power Systems • Electric Vehicle • Power Electronics and drives • Electric Machines • Electric Circuits 	2	https://crescent.education/dr-k-sarmila-har-beagam-eee/

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7.	Dr. S. Suresh Asst. Prof. (Sel.Gr.)	ssuresh@crescent.education	EE/23/14	<ul style="list-style-type: none"> • Electric Vehicle • Power Converters • Power System Analysis • Mathematical Modelling and Control Systems • Machines and Facts controllers 	No Vacancy	https://crescent.education/s-suresh-eee/
8.	Dr. V. Bharanigha Asst. Prof. (Sr. Gr.)	bharanigha@crescent.education	EE/24/22	<ul style="list-style-type: none"> • Special Electrical Machines • Power Electronic Converter • Nano Material Based Electrical Machine • Optimization Techniques • Industrial Automation 	4	https://crescent.education/v-bharanigha-eee/
9.	Dr. K. Shafeeqe Ahmed Asst. Prof. (Sr. Gr.)	shafeeqe@crescent.education	EE/20/09	<ul style="list-style-type: none"> • Deregulated Electricity Market • Smart Grid • Micro Grid 	2	https://crescent.education/dr-k-shafeeqe-ahmed-eee/
10.	Dr. V. Pramila Asst. Prof.	pramila@crescent.education	EE/23/21	<ul style="list-style-type: none"> • Impact of Renewable Energy Technology in Power Systems • Energy Management scheduling in Microgrid • Control Systems 	4	https://crescent.education/dr-v-pramila-eee/

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11.	Dr. K. R. Shanmuga Vadivu Asst. Prof.	shanmugavadivu@crescent.education	EE/23/17	<ul style="list-style-type: none"> • Multilevel power factor correction converters • Control strategies for PFC converters • Hybrid Energy Sources • AI based power electronic converters • Electric Vehicle 	4	https://crescent.education/dr-k-r-shanmuga-vadivu-eee/
12.	Dr. P. Abirami Asst. Prof.	abirami.eee@crescent.education	EE/23/16	<ul style="list-style-type: none"> • Power Electronics • Power Electronics in Power System • Embedded Systems • AI and IOT based Power Electronic Applications • Converters 	4	https://crescent.education/abirami-p-eee/
13.	Dr. R. Hannah Lalitha Assistant Professor	hannah.eee@crescent.education	EE/22/11	<ul style="list-style-type: none"> • Protection of Micro Grids • Smart Grids • Optimization Techniques • Artificial Intelligence • Renewable Energy Systems 	3	https://crescent.education/dr-r-hannah-lalitha-eee/

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14.	Dr.S.Priya Assistant Professor	priya.eee@crescent.edu	EE/23/20	<ul style="list-style-type: none"> • High Voltage Engineering • Electrical Insulation materials • Diagnosis of HV Underground power cable • Condition Monitoring of power apparatus 	4	https://crescent.education/dr-s-priya/
15.	Dr.P.Elangovan Assistant Professor	elangovan.eee@crescent.education	EE/23/18	<ul style="list-style-type: none"> • Power Electronics • Electrical Drives • Control Engineering • Renewable Energy Conversion and Optimization • Electric Vehicle Technology 	2	https://crescent.education/dr-p-elangovan/
16.	Dr. P. Chandra Babu Naidu Assistant Professor	chandrababuaidu@crescent.education	EE/23/19	<ul style="list-style-type: none"> • Power Quality • Power Electronics • Electric Vehicles • Solar PV System • Facts Devices 	4	https://crescent.education/dr-p-chandra-babu-naidu/

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1.	Dr. G. Kannan Associate Professor	kannan@crescent.educa-tion	EC/14/09	<ul style="list-style-type: none"> • Embedded System • Wireless Communication • Internet of Things • Artificial Intelligence • Optimization Techniques 	3	https://crescent.education/dr-g-kannan-ece/
2.	Dr. C. Tharini Professor	tharini@crescent.educa-tion	EC/12/05	<ul style="list-style-type: none"> • Wireless Communication & Networks Sensor Design • Image Processing and IoT 	4	https://crescent.education/dr-c-tharini-ece/
3.	Dr. S. Kaja Mohideen Sr. Professor	kajamohideen@crescent.education	EC/09/01	<ul style="list-style-type: none"> • VLSI • Wireless Communication • Antenna • Image Processing • Wireless Networks, IOT 	4	https://crescent.education/dr-s-kaia-mohideen-ece/

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4.	Dr. M. Mohamed Ismail Professor	mmismail@crescent.education	EC/14/08	<ul style="list-style-type: none"> • VLSI Modeling • Microprocessor and Microcontroller designs • Digital and Embedded systems Applications 	6	https://crescent.education/dr-mohamed-ismail-ece/
5.	Dr. P. K. Jawahar Professor	jawahar@crescent.education	EC/10/04	<ul style="list-style-type: none"> • IoT • VLSI • Networks • Embedded Systems • Blockchain 	7	https://crescent.education/dr-p-k-jawahar-ece/
6.	Dr. Parnasree Chakraborty Associate Professor	prernasree@crescent.education	EC/20/11	<ul style="list-style-type: none"> • Signal and Image Processing • Digital Communication • Wireless Sensor Network • AI and Machine learning 	5	https://crescent.education/dr-parnasree-chakraborty-ece/
7.	Dr. V. Jean Shilpa Associate Professor	jeanshilpa@crescent.education	EC/21/12	<ul style="list-style-type: none"> • VLSI Design • Artificial Intelligence • IoT • FPGA designs • Machine learning 	5	https://crescent.education/dr-v-jean-shilpa-ece/

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8.	Dr. M. Vanmathi Associate Professor	vanmathi@crescent.edu.in	EC/23/14	<ul style="list-style-type: none"> • Nano Electronics • Thin Film Technology • Gas sensing • Electrical characterization of thin films • Nano material based device fabrication 	5	https://crescent.education/dr-m-vanmathi-ece/
9.	Dr.S. Anusooya Asst. Prof. (Sel.Gr.)	anusooya@crescent.edu.in	EC/23/17	<ul style="list-style-type: none"> • Analog VLSI • Digital VLSI • Mixed Circuit Design in VLSI design • Testing of VLSI circuits • VLSI Digital Signal Processing 	3	https://crescent.education/s-anusooya-ece/
10.	Dr.A. Ambika Asst. Prof. (Sel. Gr.)	ambika@crescent.edu.in	EC/23/16	<ul style="list-style-type: none"> • Antennas and Meta Materials 	2	https://crescent.education/ambika-a-ece/

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11.	Dr. K.Indra Gandhi Asst. Prof. (Sel. Gr.)	indra@crescent.education	EC/24/20	<ul style="list-style-type: none"> • Multicore Architecture & VLSI Design • AI, Machine Learning and Deep learning • Embedded System • Internet of Things • Wireless Communication 	3	https://crescent.education/dr-k-indra-gandhi-ece/
12.	Dr. S. Kalaivani Asst. Prof. (Sr. Gr.)	skalaivani@crescent.education	EC/23/13	<ul style="list-style-type: none"> • Wireless Sensor Networks • Communication and Networks • Signal and Image Processing • Biomedical • VLSI 	3	https://crescent.education/dr-s-kalaivani-ece/
13.	Dr. A. Priya Asst. Prof. (Sel.Gr.)	priyamarish@crescent.education	EC/23/15	<ul style="list-style-type: none"> • Antenna Design along with Materials • RF and Microwave • Wireless, Mobile, Underwater and TeleCommunication • EMF and Transmission lines • Reconfigurable and Smart Antennas 	1	https://crescent.education/a-priya-ece/

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14.	Dr. R. Anitha Asst. Prof. (Sr. Gr.)	r.anitha@crescent.education	EC/23/19	<ul style="list-style-type: none"> • Signal Processing (image, audio and video) • Quantum Cryptography • Internet of Things solutions • Digital VLSI 	3	https://crescent.education/r-anitha-ece/
15.	Dr. S. Syed Rafiammal Asst. Prof. (Sel.Gr.)	rafiammal@crescent.education	EC/23/18	<ul style="list-style-type: none"> • Machine Learning and Deep learning • Bio medical signal Processing • Artificial Intelligence • Digital circuits • Signal processing 	4	https://crescent.education/dr-s-syed-rafiammal-ece/
16.	Dr. M. Padma Usha Asst. Prof. (Sr.Gr.)	padmausha@crescent.education	EC/24/21	<ul style="list-style-type: none"> • Image Processing • Biomedical Image Processing • Artificial Intelligence • Biomedical Signal Processing • Networking 	4	https://crescent.education/m-padma-usha-ece/

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17.	Dr. R. Iniyavan Asst. Prof. (Sr.Gr.)	iniyavan@crescent.education	EC/24/22	<ul style="list-style-type: none"> • Wireless Communication • Signal Processing • Image Processing • AI and Deep Learning • Antenna Design 	4	https://crescent.education/r-iniyavan-ece/
18.	Dr. B. Sivashanmugavalli Asst. Prof. (Sr.Gr.)	sivashanmugavalli@crescent.education	EC/24/23	<ul style="list-style-type: none"> • Special Electrical Machines Antenna Design • Communication System Design • Microwave and RF System Design • High-Frequency Electronic Circuits design • AI & ML based antenna/Microwave Components Design 	4	https://crescent.education/b-sivashanmugavalli-ece/

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1.	Dr. D. Najumissa Jamal Professor	najumissa.d@crescent.edu.in	EI/12/05	<ul style="list-style-type: none"> • Biomedical Signal / Image Processing • Control Systems • Powerplant Instrumentation 	5	https://crescent.education/dr-d-najumissa-jamal-eie/
2.	Dr. A. Abudhahir Professor	abudhahir@crescent.edu.in	EI/22/04	<ul style="list-style-type: none"> • Measurements and Instrumentation • Image Processing • Non-destructive Testing & Evaluation • Educational Quality Assurance • Outcome Based Education 	8	https://crescent.education/dr-abudhahir-a-eie/

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3.	Dr. M.S. Murshitha Shajahan Asst. Prof. (Sel. Gr.)	murshitha@crescent.education	EI/21/03	<ul style="list-style-type: none"> • Process Control Instrumentation and Optimisation • Sensors • Renewable energy 	3	https://crescent.education/dr-m-s-murshitha-shajahan-eie/
4.	Dr. P. R. Hemavathy Asst. Prof. (Sel. Gr.)	shemavathy@crescent.education	EI/23/06	<ul style="list-style-type: none"> • Advanced process control • Intelligent control techniques • Sensors and Transducers • Industrial Automation • Soft sensing 	4	https://crescent.education/dr-p-r-hemavathy-eie/
5.	Dr. G. Anitha Asst. Prof. (Sel. Gr.)	anidhag@crescent.education	EI/23/07	<ul style="list-style-type: none"> • Image Processing • Bio-signal Processing • Artificial Intelligent techniques -Machine learning and Deep learning • Pattern Recognition 	4	https://crescent.education/dr-g-anitha-eie/

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6.	Dr. H. Kareemullah Asst. Prof. (Sr. Gr.)	kareemullah@crescent.education	EI/21/02	<ul style="list-style-type: none"> • Robotics (Machine Vision) • VLSI (MPSOC Architecture) • Medical signal and Image Processing 	1	https://crescent.education/dr-h-kareemullah-eie/
7.	Dr. J. Susai Mary Asst. Prof.	susaimary.eie@crescent.education	EI/22/05	<ul style="list-style-type: none"> • Process Control • Monitoring and Fault diagnosis • Automation 	4	https://crescent.education/dr-j-susai-mary-eie/